

Note: This unwanted power requirement is necessary to ensure that the ADS-B Transmitting Subsystem does not prevent closely located UAT receiving equipment from meeting its requirements. It assumes that the isolation between transmitter and receiver equipment exceeds 20 dB.

- b. Between 8 and 46 bit periods prior to the reference time, the RF output power **shall** remain at least 20 dB below the minimum power requirement for the appropriate equipment class per [Table 2-1](#).
- c. During the Active state, defined as beginning at the reference time and continuing for the duration of the message (276 bit periods for the Basic Message and 420 bit periods for the Long Message), the RF output power **shall** comply with [Table 2-2](#).
- d. The RF output power **shall** not exceed the maximum limits of [Table 2-2](#) at any time during the ADS-B Message Transmission, as shown in [Figure 2-1](#).
- e. Within 46 bit periods after the end of the Active state, the RF output power **shall** be at a level at least 20 dB below the minimum power requirement for the appropriate equipment class per [Table 2-1](#).
- f. Within 8 bit periods after the end of the Active state, the average RF output power **shall** fall to a level not to exceed -80 dBm.

Note: This unwanted power requirement is necessary to ensure that the ADS-B Transmitting Subsystem does not prevent closely located UAT receiving equipment from meeting its requirements. It assumes that the isolation between transmitter and receiver equipment exceeds 20 dB.

These requirements are depicted graphically in [Figure 2-1](#).

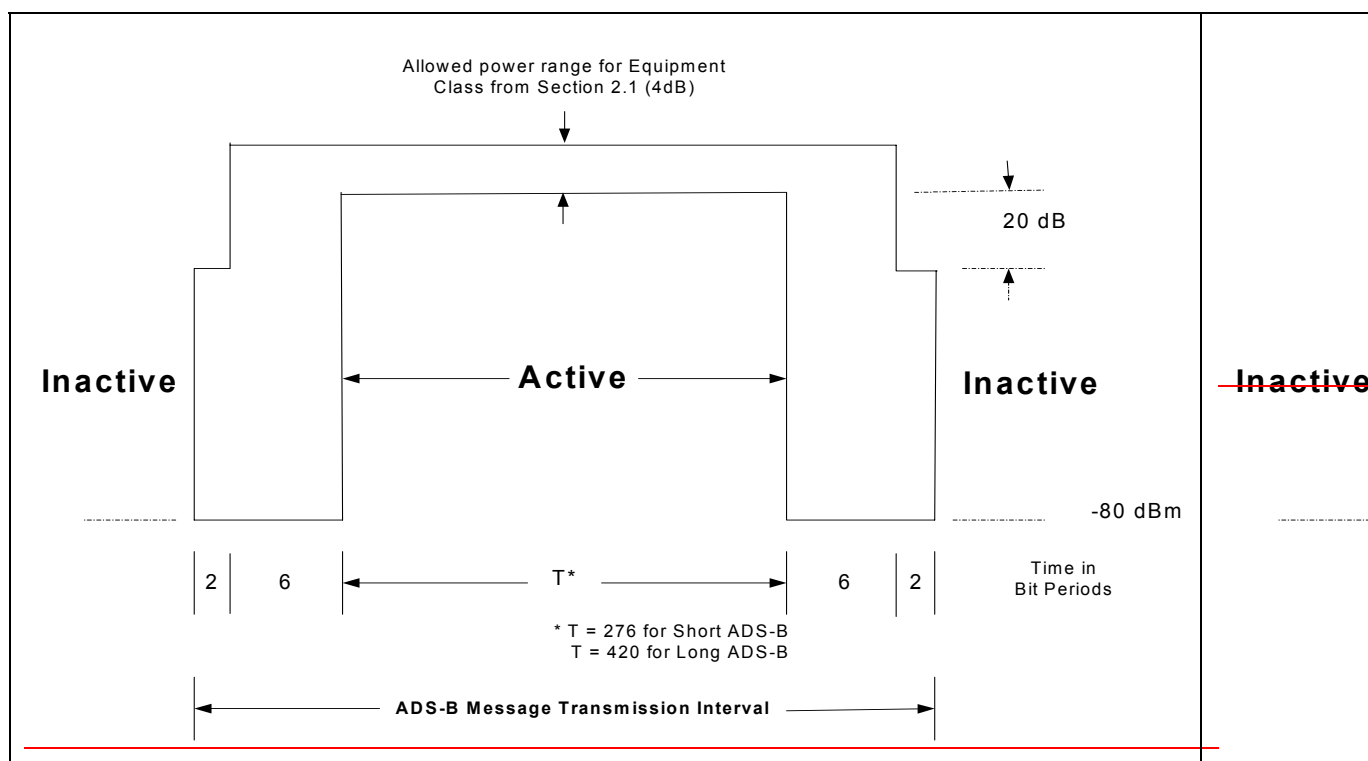


Figure 2-1: Time/Amplitude Profile of ADS-B Message Transmission